INTERNATIONAL SEARCH REPORT

Intermedia Application No PCT/EP 03/13837

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B7/12 G11B5/54 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) $IPC\ 7\ G11B$ Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category * Citation of document, with indication, where appropriate, of the relevant passages 1 - 3, 10X EP 0 986 057 A (SEIKO INSTR INC) 15 March 2000 (2000-03-15) paragraph '0041! - paragraph '0046!; figure 9 X US 2001/026422 A1 (NISHIMOTO HIDEKI) 1 - 3.104 October 2001 (2001-10-04) paragraph '0038! - paragraph '0068! X EP 0 501 477 A (SHARP KK) 1 - 3, 102 September 1992 (1992-09-02) column 26 - column 37 US 5 508 857 A (HORITA MASAMI) 1-3,10χ 16 April 1996 (1996-04-16) column 5, line 9 - column 6, line 20 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. . Special categories of cited documents: 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *L* document which may throw doubts on priority daim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or *P* document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the International search report 27 April 2004 13/05/2004 Name and mailing address of the ISA Authorized officer European Patent Offica, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Damp, S

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